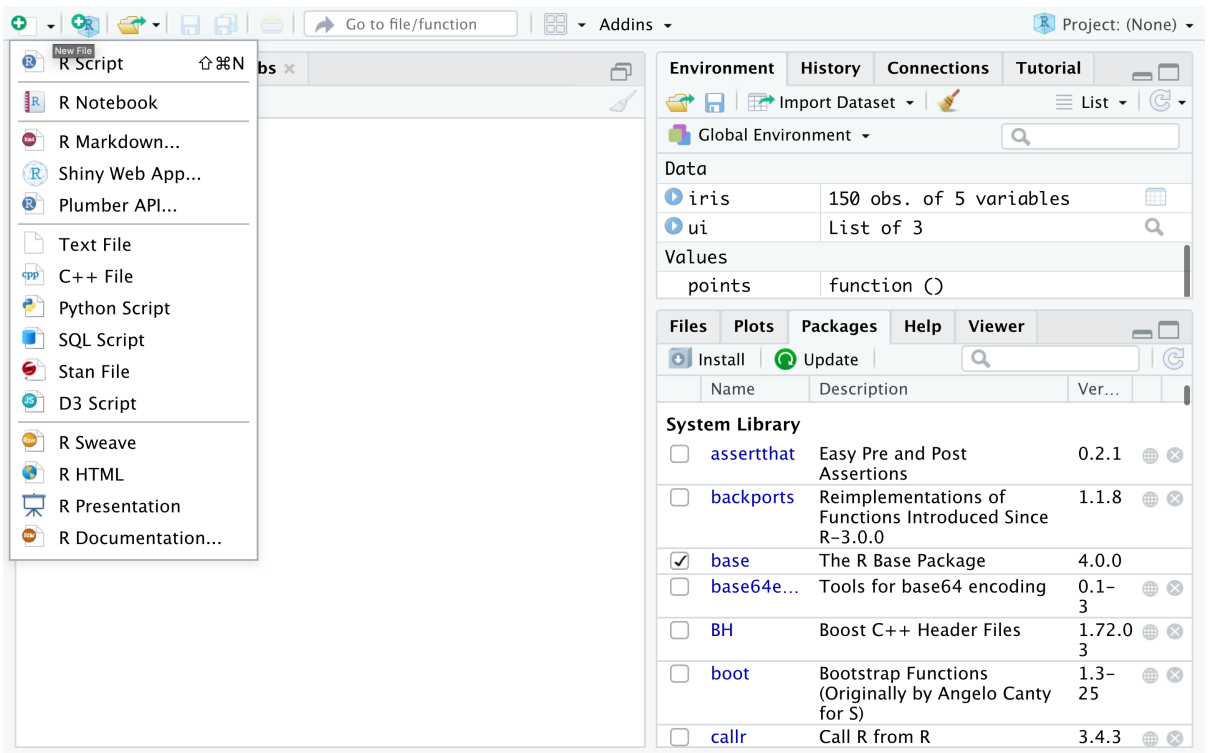
Objective for Exercise:

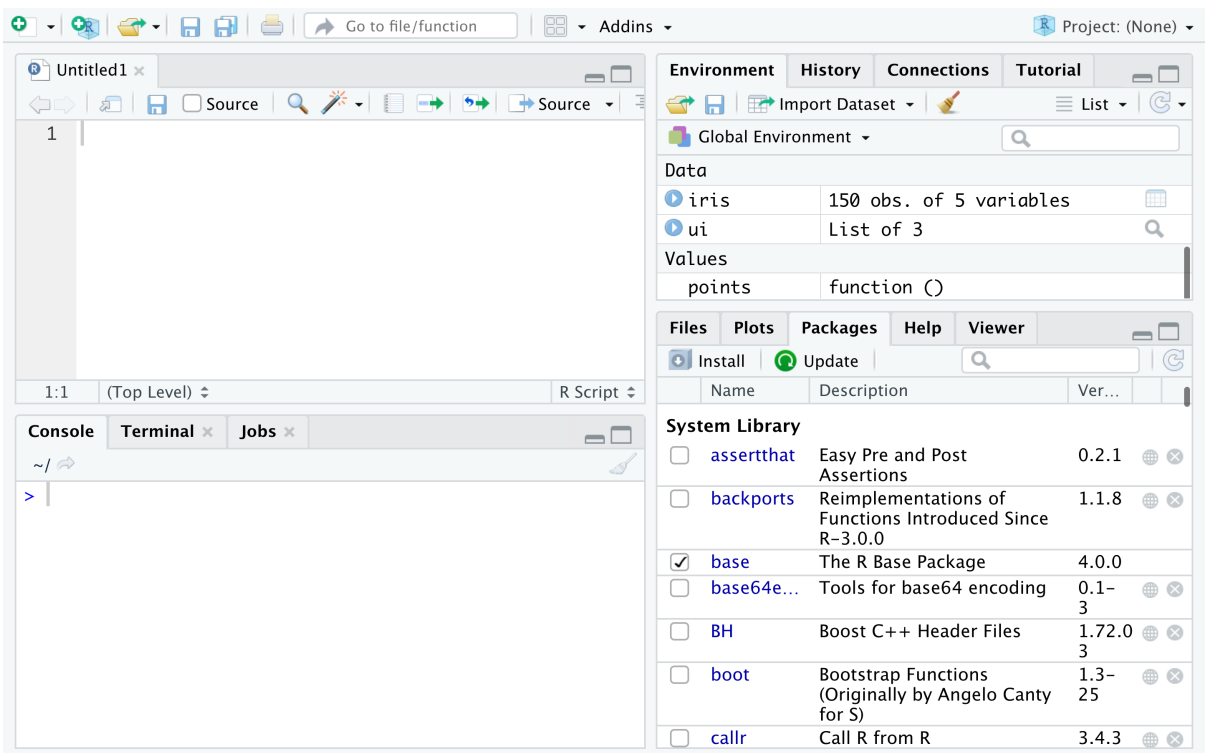
This lab introduces you to R and RStudio

Exercise:

1. Click in the tiny `plus` symbol top left and select `R Script`

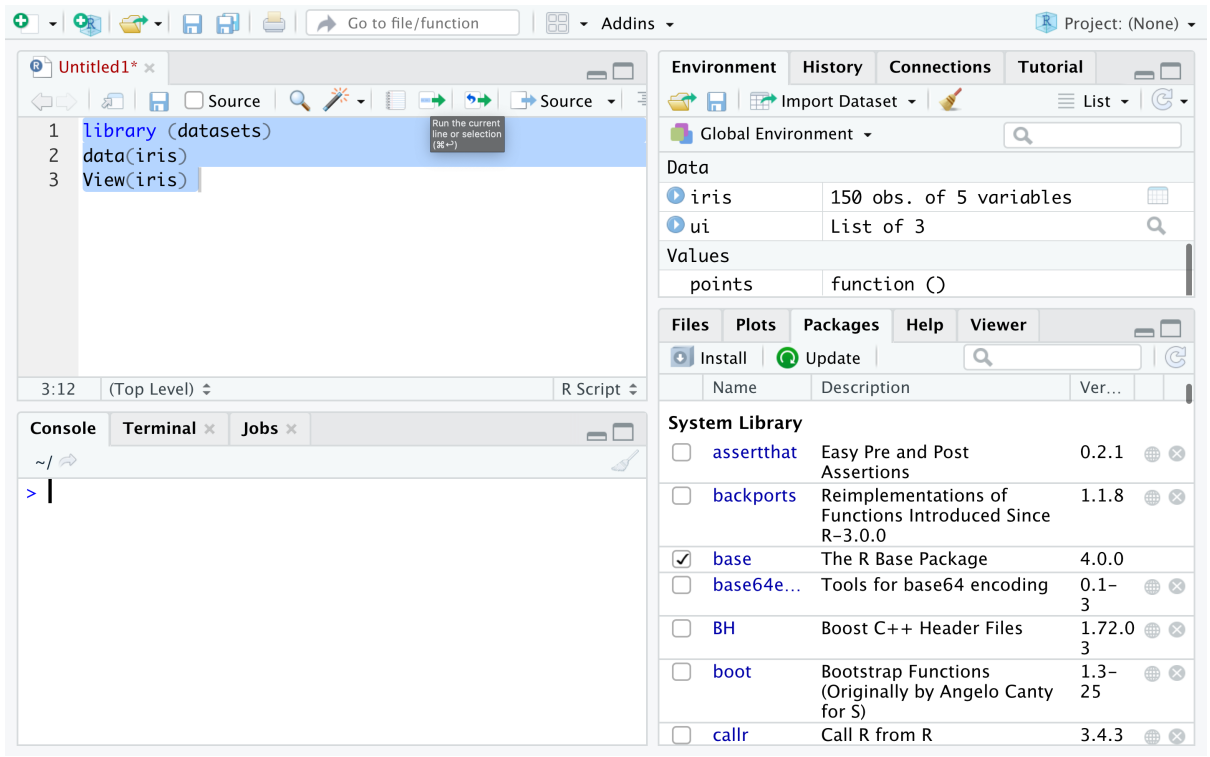


2. An untitled R Script panel opens. It would look like this.

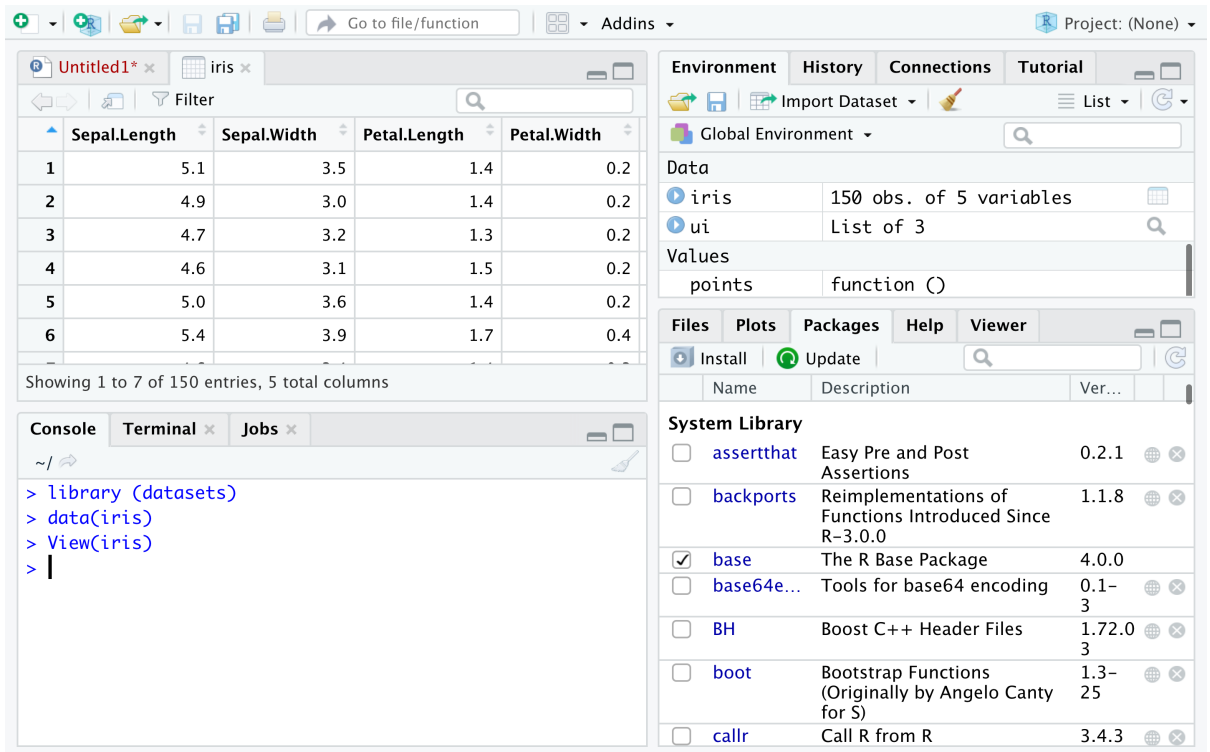


3. Now we load the iris dataset. Please enter the following lines into the editor window which just appeared. Then select them all such that they turn blue. Then click on the tiny `Run` icon just above the editor window.

```
library (datasets)
data(iris)
View(iris)
```

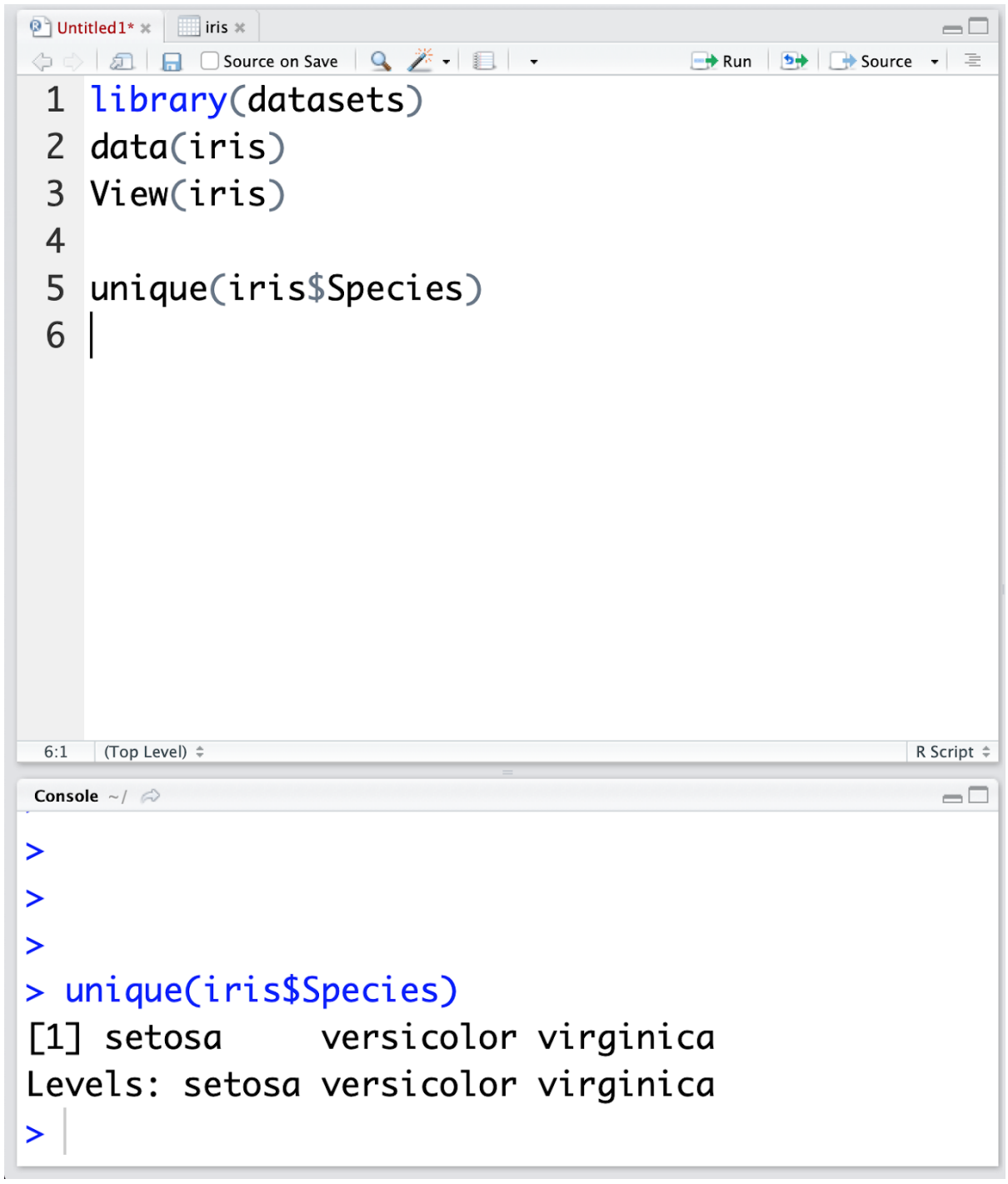


4. You are directly taken to the data view tab to inspect your dataset. We can see that there are five columns in this data set and that the first four are floating point and the last one is label of data type string which contains the category value of our data set. We also see that we have 150 entries in total of which we are seeing the first 19.



5. Now let's find how many different species there are present in the data set. Type the following command into the editor window and click the run.

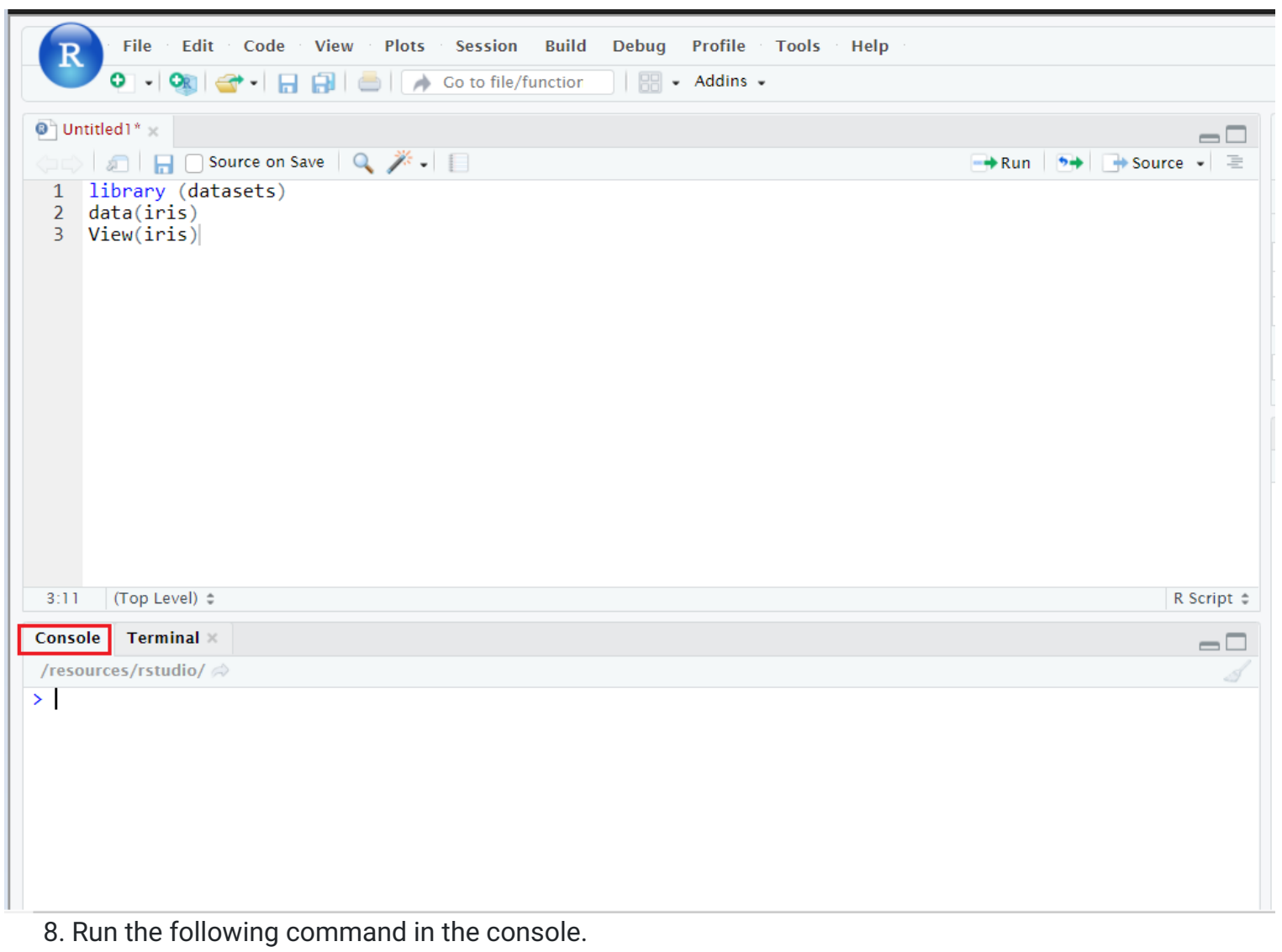
```
unique(iris$Species)
```



In the Console window at the bottom you'll see the result of the executed command and will know that there are only three different species present in the data set.

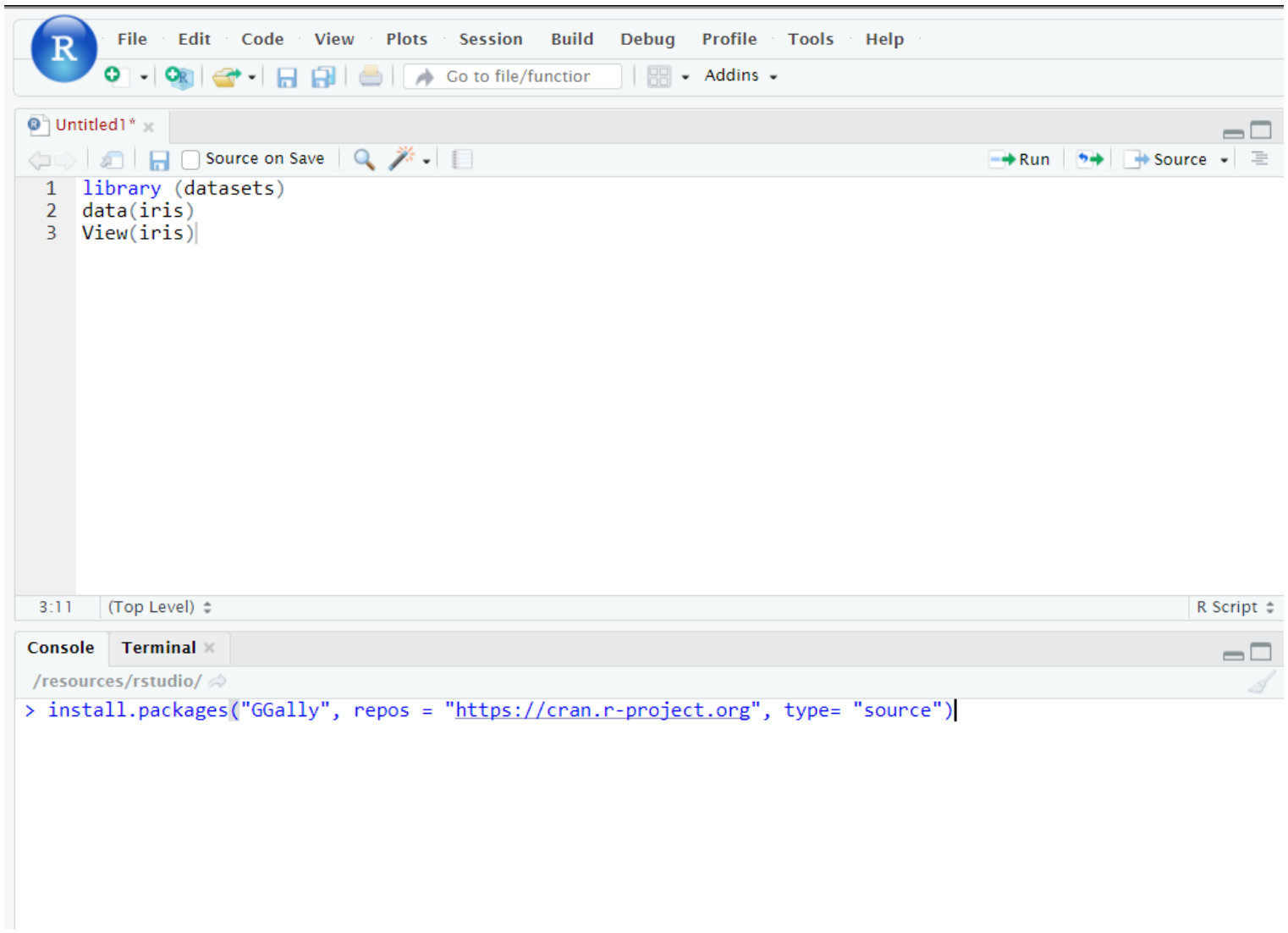
6. Now it's time to look into the data set in more detail.

7. Open a Console.



8. Run the following command in the console.

```
install.packages("GGally", repos = "https://cran.r-project.org", type= "source")
```



9. Click *Enter* to install the packages.

This concludes this lab, I hope you've enjoyed it!

Author(s)

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Other Contributor(s)

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Change log

Date	Version	Changed by	Change Description
2021-13-01	2.4	Malika Singla	Update the installation for R packages
2020-12-10	2.3	Aije	Moved plot steps to a new lab
2020-12-10	2.2	Malika Singla	Update the installation for R packages
2020-12-07	2.1	Aije	Changed instructions to use Skills Network Lab
2020-08-25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab